United States Department of Agriculture | Forest Service | Northeastern Area State & Private Forestry | 180 Canfield Street Morgantown, WV 26505-3101

File Code: 3410

Date: November 21, 1997

Ms. Jil Swearingen
Center for Urban Ecology
USDI National Park Service
4598 Mac Arthur Boulevard, NW
Washington, DC 20007

Dear Jil:

On September 8-9, 1997, you accompanied me on a gypsy moth egg mass survey at Greenbelt Park, MD. The purpose of the survey was to determine gypsy moth population densities and to assess the potential for defoliation in 1998.

As you are aware, new gypsy moth egg masses were detected at only one of the 17 survey plots. To see the results of the survey, please refer to Figure 1. This is quite a difference from last year. There has been a 99% reduction in the gypsy moth population site wide and a 97% reduction within the spray blocks. It would be nice to give full credit to the suppression project this past season, however the larvae you collected after the spray project indicated the presence of both the nucleopolyhedrosis virus (NPV) and the fungus, Entomophaga maimaiga. Most likely, the reduction in gypsy moth populations at Greenbelt Park has been a combination of all these factors.

We also visited sites within the Fort Circle Parks Area (Fort Chaplin Park, Fort Dupont Park, Fort Davis Park, and Fort Stanton Park). No egg masses were detected in the survey areas.

Based on the results, no gypsy moth defoliation is expected and thus, no treatment will be necessary in 1998 at Greenbelt Park or sites located within the Fort Circle Parks Area.

If you have any questions, please contact me at (304) 285-1556.

Sincerely,

Karen D. Felton

KAREN D. FELTON
Forestry Technician
Forest Health Protection

Enclosure

cc: Robert Tichenor, MDA
Betsie Handley, MDA
Gracie Joy, NA Urban Forester
Susan Rudy, NACE, Resource Management

KDF/blm

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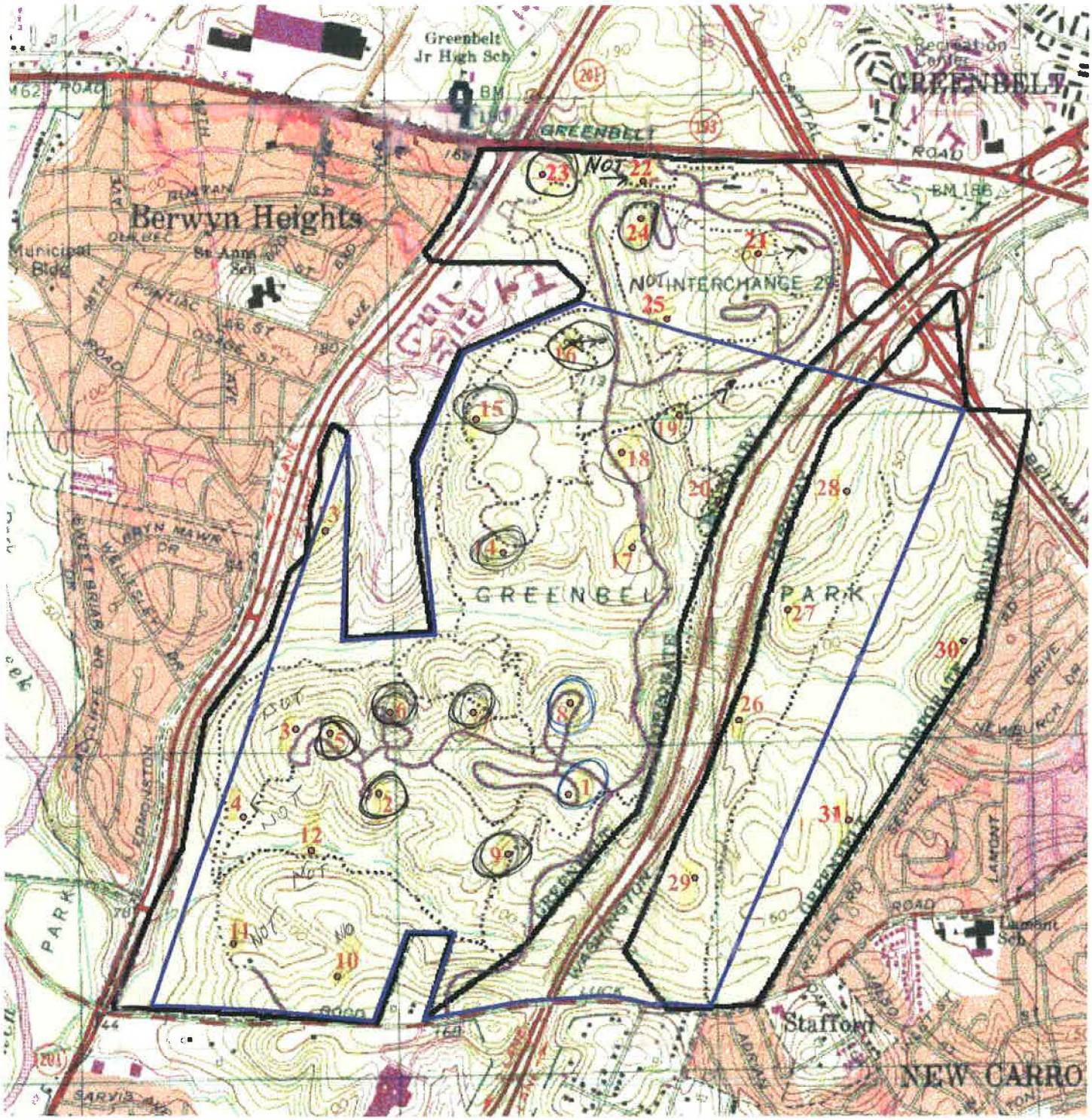
Figure 1.--1997 gypsy moth egg mass survey at Greenbelt Park.

PLOT #	EM_ACRE	
1	120	LOCATED IN LOOP B AT CAMPGROUND
2	0	
5	0	
6	0	
7	0	
8	0	
9	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
23	0	
24	0	

SITE AVERAGE = 7 EGG MASSES PER ACRE
SITE RANGE = 0-120 EGG MASSES PER ACRE

Figure 1.--1996 Gypsy Moth Egg Mass Survey Plot Locations and proposed spray block for 1997 at Greenbelt Park



• = **Egg mass survey plot locations**